

ENTERED



RAW SEQUENCE LISTING

DATE: 03/27/2003

PATENT APPLICATION: US/09/857,372C

TIME: 13:20:55

Input Set : N:\Crf4\03272003\I857372.raw

Output Set: N:\CRF4\03272003\I857372C.raw

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1 <110> APPLICANT: Contreras, Roland
2 . Nelissen, Bart
3 DeBacker, Marianne
4 Luyten, Walter
5 Viaene, Jasmine
6 Logghe, Marc
7 <120> TITLE OF INVENTION: Drug Targets in Candida Albicans
8 <130> FILE REFERENCE: 53731/000
9 <140> CURRENT APPLICATION NUMBER: US/09/857,372C
10 <141> CURRENT FILING DATE: 2001-09-24
11 <150> PRIOR APPLICATION NUMBER: 982204122.0
12 <151> PRIOR FILING DATE: 1998-12-04
13 <160> NUMBER OF SEQ ID NOS: 22
14 <170> SOFTWARE: PatentIn Ver. 2.0
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17 <211> LENGTH: 438
18 <212> TYPE: DNA
19 <213> ORGANISM: Candida albicans
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23 tcataatata tcatgccata tctactaatg tacataaatt agaagatgaa accccatcat 180
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25 aactgatgga tttttcttcc taccaccaat tgaataatgc tagacttggt ggtgtgctac 300
26 aaatatttca aaagaaaata cgaatacttt ataaaatggt aagaacggaa gatggtttct 360
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28 tatatccctt tatttgat 438
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37 actattgggtc atgttgatca tggtaaaact acattgactg ctgctatcac caaagtttta 180
38 gccgaacaag gtggtgccaa cttcttggat tatggttcta ttgatagagc tccagaagaa 240
39 agagctagag gtatcactat ttccactgcc cacgttgaat acgaaaccaa gaacagacac 300
40 tatgcccacg ttgattgtcc aggacacgct gattatatca aaaatatgat tactggtgcc 360
41 gctcaaattg atggtgctat cattgttggt gctgccactg atggtcaaat gcctcaaacc 420
42 agagaacatt tgttattggc cagacaagtt ggtgttcaag acttggttgt gtttgtcaac 480
43 aaagtcgata ctattgatga ccctgaaatg ttggaattag tcgaaatgga aatgagagaa 540
44 ttgttatcca cctacggttt tgatggtgac aacactccag ttattatggg atctgcttta 600
45 atggccttgg aagacaagaa accagaaatt ggaagggaag ctatcttgaa attgttagat 660

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47 gttgaagaog tgttctccat ctccggtaga ggaactgttg tcaactggtag agttgaaaga 780
48 ggtgttttga agaaggggtga agaaatcgaa attgttggtg gttttgacaa accttacaag 840
49 actactgtta ccggtattga aatgttcaaa aaagaattag actctgctat ggctgggtgac 900
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51 gccaaaccag gtactgctac ttctcacaag aagttcttgg cttccttgta tattttgact 1020
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53 agaactaacg atgtcactac cacattttca tccccagaag gagaagggtg tgatcattct 1140
54 caaatgatca tgccagggtga caacattgaa atgggtgggtg aattgatcaa atcttgtcca 1200
55 ttagaagtca accaacgttt caacttgaga gaagggtggtg aaactgttgg tactgggttg 1260
56 attaccagaa tcacgaata aacagaatgt gcactgtgaa taataaaaag aaaagaggta 1320
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66 caccgacaa tccagacgcaa acccaaagca aagaggacca gaataggatt tgtcaattga 180
67 ttgtctccac gggtcagttt ggcattatg atttgaatat caacgataaa actatcgtac 240
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72 ttgtgagggt tgtcgttggtc ttggttgaca aatacaaccc ggcaaagcta cctgattcga 540
73 ccaacacaat taaagatgaa ggaatataca aagactttat tgtgaaaaat gaaacgatag 600
74 gccaaaggagc atttgccact gtgaaaaagg cgattgaacg atctacgggc gaggcgtacg 660
75 cggatgaagat tataaatcga agaaaagcat taaataccgg tgggtggaagt gccatggcag 720
76 gaggtgaccg tgaattgtcc atattagagc ggctcaacca cccaaatata gttgctctaa 780
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78 atttgatgga ctttgtgggt gcaaacgggt caataggaga agacgcaaca caagtgatca 900
79 cgaaacagat tctagaagga attgcctatg ttcataattt aggaatctcc catcgtgatt 960
80 tgaagccaga taatattttg attatgcaag atgacccaat acttggttaa atcaccgact 1020
81 ttggattggc aaaattcagt gacaatctga cgtttatgaa aactttttgt ggtacattgg 1080
82 cgtatgttgc tcccgaagtt atcaccggta agtatggatc atcgagatg gaactgcaac 1140
83 aaaaggacaa ctactcttcc ttggttgaca ttgggtcttt gggatgtttg gtttatgtac 1200
84 ttttaacttc tcatttacca ttcaacggga aaaaccagca acaaatgttt gccaatgata 1260
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86 atttcttgca gtgctgcta cagggttaatc cttaaactaag gatgacggct gctgaagctt 1380
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89 gcaaaattga tgaagacgtt atgcttcgtc cattggatag cgaaagaaat aggaaatcaa 1560
90 gtaaacagca agatttcaag gtacccaagc gtgtgattcc gttatctcaa catcctgcaa 1620
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93 ttgcggaaga ctacttgaag ttggggccac ttgcaaattc gttattccaa gaaacaataa 1800
94 atatttcaaa gtccccgttt tctttcgga gaaatgacac ttgtgattgc gagatagacg 1860
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98      taggtttcaa agtagtcctt gttgatcaac tgtctggtga acataagagt caagtggagg 2100
99      ttttgaacaa aacctcagaa gaaatgaata ttattccact tatttctggt ttaagtagta 2160
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101     tagttattta cctccatgca attacattta cttcttcttc caagggcgaa ttctgcagat 2280
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105 <211> LENGTH: 826
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110     gcccatggac atttttggat ttgataatta aaaaagtag caatagatta ttgcgttgga 120
111     gaaagaatca ccatagttgc aagatttgat agatgttaaa atgttcacgc aggcgaaaga 180
112     tgtaacatct cttaaagtaa gaagaatatg gacatgaata aaaatagata gcaactatct 240
113     ggaacttggt gaagatatta aaatagaatg ggatttcaac atagatatct aaagtaacga 300
114     aacctcacia tcaataaaaa acaacagtaa tactaacaat tcaattttta tttttataga 360
115     gggtagtcca tcttttaggt aacgtcacia caaatctcac accttatgta acagatgtgg 420
116     ccgtcgttca ttccacgtcc aaaagaagac ctgttcttct tgtggttacc cagctgctaa 480
117     aatgagatct cacaactggg ccttaaaagc caaaagaaga agaactactg gtaccggtag 540
118     aatggcttac ttgaaacacg ttaccagaag attcaagaac ggtttccaaa ctggtgttgc 600
119     taaagctcaa accccttccg cttaaaacta ttactgaagt tattggtcat gcattagtca 660
120     ttattcatta aagtcattgt aagcatagca aaggaagaat tggtttagatt cttgtttaaa 720
121     atgtaatgac tattttaatat ctgtttaaat aagaggttta gtctttattt ttttacgtat 780
122     acaccaaaaa aaaaagaaac aaataaaatc tgtatatata tgttgg 826
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127 <213> ORGANISM: Candida albicans
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131     gctaaggaag aaagagaaaa ccccgaatta agagaggaaa gaatagcagc taatatccca 180
132     gatactatag atagcaaacg tatttatgat gagactatag ctgctgaagt tgaaggagat 240
133     gacgagtttc agtcataatt cactaacttg ttggaagaac caaagatttt gttgacaaca 300
134     agtgccaatg ctaaaaaacc ggcctatgaa ttgacagaca tgatcatgga ctttttaccg 360
135     aatgtgacat ttatcaaaag gaagaaggaa tatacaatgc aagatatggc caaatattgc 420
136     tcgaatagag acttcactgc attgcttgtc atcaacgaag acaagaagaa ggtcaatggt 480
137     ataacgctca tcaatttacc tgaagggcc aatttttatt tttcgattac atcaatagtt 540
138     gatgggaaaa gaattaaggg acacgggaaa gctggtgatt atttacctga gattgtattg 600
139     aataatttca attcaagatt gggtaaaact gtgggaagac tatttcaaag tattttccct 660
140     cataaacctg aacttcaagg aagacaagtg attactttgc acaatcaacg tgattatatt 720
141     tttttcagaa gacatagata ttttttcaga aatgaggaaa aggttggatt gcaggaattg 780
142     ggtccgcagt ttacattaaa gctaagaaga atgcaaaagg gagtacgtgg tgatgttgtt 840
143     tgggaacaca gaccagatat ggaaagagat aagaagaagt tttatttata agcgggtgta 900
144     taaaggtagt agtagtgcgt ttataagtat gtgtgtgtgt ttatgcatag atgtgtaaag 960
145     agtaatacag ctaattcg 978
147 <210> SEQ ID NO: 6

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150 <213> ORGANISM: Candida albicans
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153 <222> LOCATION: (597)...(598)
154 <223> OTHER INFORMATION: n = any nucleotide
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156 <221> NAME/KEY: misc_feature
157 <222> LOCATION: (613)
158 <223> OTHER INFORMATION: n = any nucleotide
159 <400> SEQUENCE: 6
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162      gctgtgttta tgaaatgtgg tgccactacc ccattatgga ttaacttggt attatgtatc 180
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165      tgtttttttt gccttccaac tttctttttac atttttccat tactaccact gtcttccccc 360
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167      taattattct tttttgtatt tttttccctt aaaacacggt aatttattaa tcgtttcggt 480
168      gtttgggtatt ttattttttt gtatttatca attggaatat atatctatac atgaatttat 540
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170      aataaaagtt tanttcaac                                     619
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179      gataatggtc attgttatgt tcgtgaatca actaataatc atcatcattt aaataccgtc 180
180      gttgataaatt tacgacagcg tgcgggatcg ttttcattta tttcacatca ccataatcac 240
181      catcagaata gtcacgataa ttatactgtc gatccccctta catcaaacgg agcacgaatt 300
182      tcccgatcac gttcacgttc caaatcagtt gggcacggag aagcaatatc accagcgtat 360
183      ttttccaaga ataaaaccaa agatttagtg aaacaggaaa cagcacatat cattctgaag 420
184      aaattactca acatgttaca agatttggtt ttacaaaacc ctattgcatt gaaaacaata 480
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187      ataattgctg aagatagaaa tgatgaaatg ccaacagcag ttaataacaa tactttgtca 660
188      atggatagta taaatcattc agagactgat ttcttggtt ctccaccacc tccagattta 720
189      ttttctaaaa tgaaatcatt ccattcacca aattacttga cttcaaaaat cgattctgaa 780
190      tgtccaattc cacatacatt tgctgtgatt gttgaattaa ccaaggactc tttgattatt 840
191      aaagatcttc atttccaatt tcagtcatta actaccattt tatggccaac tggggatgca 900
192      tataatcgga ctcatgcca ggagaaattt accattggga atatggaatg gcgtacatct 960
193      ttaagcgacg cgcactatta tatcaatagt tctaattcca acgatgttaa gctgaaaaac 1020
194      ttgggtctct aagatcttat taatcgaact agagaatata aattaatcga tattgaagaa 1080
195      ccaaacaatt catcaaacag tttactggat gatgacatgg atattaataa tattacgtcg 1140
196      ccattatcaa cgtcaccaac atcaagttca acttcaacaa attcaacctc caactcattg 1200
197      gggttcagatt catataaagc tgggtctttat gtattttttat taccaatctt attgccagaa 1260

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199 tgcaataaat atactgataa gttgaatcgg aaatcaaaag tatcagcatc gtacaattta 1380
200 cctatgggcc gtactccacc aaacattggg aattccattg ctgataagcc aatttatgtt 1440
201 aataggattt ggaatgatgc cgtacattat attataactt tccccgcaa atatgttact 1500
202 ttgggttggtg aacacatgat aaatgtgaaa ttactgccca tgggtgaaaga tgtggttatc 1560
203 aagcgtatta aatttaattgt attggagaga ataacttatg tttccaaaaa tttatcacga 1620
204 gaatatgatt atgatagtga agacccttat tgtattcatt cagttttctaa agaaaataaa 1680
205 gtacgtgaac gtgttggtgc gttatatgaa ttgaaaacga aggcaaaaca atcttctggt 1740
206 ggacatcttg aagcttataa acaagaagtt atgaaatgtc cggaaaataa ctttttattt 1800
207 tcttggttatg aggttgaaaa tgataataat aacggcaacg gcaacggcaa cggcaacgga 1860
208 aacaagaacg ttaaacaataa gaataaagat caaccaatga ttgctacacc tttagatata 1920
209 aatgtttctt taccattttt aactactatg tctgatagtt taattatgac atcagccata 1980
210 gaagaagaag gttcagatct gcctcatata tcaagaagag ggtcggcagt gagtatgact 2040
211 gataataata ctaccccaag taacaataac cttttatctc cttttttggg agcagtggaa 2100
212 actaatgggtg ctagtataaa tgaaattggg gatcatacat tattccctga ttctaatttt 2160
213 cgacataattg aaattaaaca tcgattacaa gttacattta ggattttctaa accggatctg 2220
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218 <211> LENGTH: 255

219 <212> TYPE: DNA

220 <213> ORGANISM: Candida albicans

221 <400> SEQUENCE: 8

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224 ccatagttca gaaaataaaa ttgaaaaatt taaaaaaaaa cgcaatatca ttcatttttt 180
225 ttgttttttt gacaataata ttaatatgta gttaccaatg ttttttagatt ttatatgttt 240
226 tgaaaaaata gtttg 255

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228 <210> SEQ ID NO: 9

229 <211> LENGTH: 119

230 <212> TYPE: DNA

231 <213> ORGANISM: Candida albicans

232 <220> FEATURE:

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235 <223> OTHER INFORMATION: n = any nucleotide

236 <400> SEQUENCE: 9

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240 <210> SEQ ID NO: 10

241 <211> LENGTH: 60

242 <212> TYPE: PRT

243 <213> ORGANISM: Candida albicans

244 <400> SEQUENCE: 10

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246 1 5 10 15
247 Ala Ser Ile Ile Leu Ile Ile Ile Tyr His Ala Ile Ser Thr Asn Val
248 20 25 30
249 His Lys Leu Glu Asp Glu Thr Pro Ser Ser Ser Phe Thr Arg Thr Asn

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Please Note:

Use of n and/or Xaa have been detected in the Sequence Listing. Please review the Sequence Listing to ensure that a corresponding explanation is presented in the <220> to <223> fields of each sequence which presents at least one n or Xaa.

Seq#:6; N Pos. 597,598,613

Seq#:9; N Pos. 45

VERIFICATION SUMMARY

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Input Set : N:\Crf4\03272003\I857372.raw

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L:169 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:6 after pos.:540

M:341 Repeated in SeqNo=6

L:237 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:9 after pos.:0